

## Site activities IVO Gold King Mine Release

18AUG2015

Agency/Organization	Number of Personnel
EPA	05
USCG	03
ER	14
START	04

**Water Treatment Plant** – ERT ON SCENE and ER provided recommendations for water treatment process:

- ERT Performed test adding lime to first treatment pond.
  - Lime showed to increase settling
- Filter medium install at effluent of first treatment pond prior to pond 2
- One START is assigned to monitor water treatment
- Titration samples collected and sent to lab for analysis by START
- Elevation assessment for piping performed.
- Float for Gold King treatment pond 1 constructed
- 24 hour water treatment began.
- Treatment Media Remaining – 1500 Gal NaOH, 10 Bags of Breenfloc, 13 Bags of powdered Lime

**Sediment Recovery** – OMNI / Rain for Rent

- Additional equipment installed.
- Begin process by end of week

**Water quality Sampling** – START Data submitted separately.

- Water quality parameters collected at 11 locations three times daily
- Flow Rate of 606 GPM was recorded at 0900 from the Gold King Mine adit portal
- 3 split water samples collected with Colorado Dept. Public Health and Environment (CDPHE) to be submitted for analysis
  - Upstream on Cement Creek prior to confluence of treatment ponds.
  - Downstream of treatment confluence with Cement Creek.
  - Downstream of Gladstone on Cement Creek.
- Sludge judge sampling in Gold King treatment ponds 1 and 2
- Flow rate of 515 GPM was recorded at 1620 from the Gold King Mine adit portal

**Red and Bonita Mine Operations** –

- Mine work resumed.
- Laying pipe from treatment pond 1 to Red and Bonita treatment ponds.

**Gold King Mine Ops –**

- EPA independent investigative team on scene
- DRMS on scene
- Mine stability consultants on scene.
- Dedicated Safety person ordered to support on scene operations.

**Media Interest –**

- Denver news outlets, CH 9 NBC and CH 4 CBS, conducted interview with Gold King Mine owner

**Logistics –**

- Generator ordered for support of communications vehicle.
- Interoperability communications established with Montrose Dispatch for emergency communications and support.

**Future Actions –**

- Gabion baskets to be delivered WED 19AUG for repair of Gold King Mine road
- Change treatment in first pond from direct treatment to circular treatment to improve circulation.
- BLM to be conducting survey of roads IVO Gold King Mine efforts.
- Awaiting SHPO permission to remove debris in path of pond transfer pipe.
- San Miguel Power to remove damaged power lines 26 AUG 2015. Permission given to remove poles at Gold King Mine portal.